

- a step of forming a mixture of the active substance and the thermoplastic material,

- a step of maintaining the mixture of the active substance and of the thermoplastic material at a temperature and for a time respectively selected in the range from 20 to 70°C and in the range from 30 minutes to 150 hours causing thus the maturing of the mixture, whereby it becomes possible to store the said mixture for up to 7 days before extruding it and to increase the quantity of active substance for a given release curve without increasing the volume of the tablet.

- a step of introducing the said mixture after maturing into the kneading area of an extruding machine,

- a step of extruding the said mixture, inside the extruding machine comprising a kneading area, without solvent at a controlled temperature to produce at least one extruded filament or extrudate and

- a step of chopping the extruded filament into particles

8. Apparatus for making particles in the form of spheroids comprising a mixture of an active substance distributed within a thermoplastic material and having a constant diameter in the range from 0,5 to 2mm, said apparatus comprising an extruder which in turn comprises an extrusion die and which is proper to produce extruded filaments of said mixture, said apparatus further comprising, located at the exit of the extrusion die, a tool, for chopping the extruded filaments, wherein said tool is equipped with cutters in the form of blades having a first and second face parallel with one another, the first of which is inclined towards the second, thus forming a cutting edge, the second face being recessed so as to leave a strip of a whereby the shape of the